

Shintaro Taie

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2769232/publications.pdf>

Version: 2024-02-01

14
papers

1,676
citations

687363

13
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

1616
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological Thouless pumping of ultracold fermions. Nature Physics, 2016, 12, 296-300.	16.7	432
2	An SU(6) Mott insulator of an atomic Fermi gas realized by large-spin Pomeranchuk cooling. Nature Physics, 2012, 8, 825-830.	16.7	278
3	Coherent driving and freezing of bosonic matter wave in an optical Lieb lattice. Science Advances, 2015, 1, e1500854.	10.3	256
4	Realization of a $SU(2)$ Mott insulator of ultracold fermions. Nature Physics, 2012, 8, 825-830.	7.8	249
5	Interaction and filling-induced quantum phases of dual Mott insulators of bosons and fermions. Nature Physics, 2011, 7, 642-648.	16.7	105
6	Antiferromagnetic Spin Correlation of $SU(2)$ Mott Insulator of Ultracold Fermions. Physical Review Letters, 2018, 121, 225303.	7.8	74
7	Mott insulator of ultracold alkaline-earth-metal-like atoms. Physical Review A, 2009, 79, .	2.5	69
8	Bose-Einstein condensate in gases of rare atomic species. Physical Review A, 2011, 84, .	2.5	69
9	Interaction-Driven Shift and Distortion of a Flat Band in an Optical Lieb Lattice. Physical Review Letters, 2017, 118, 175301.	7.8	62
10	Feshbach-Resonance-Enhanced Coherent Atom-Molecule Conversion with Ultranarrow Photoassociation Resonance. Physical Review Letters, 2016, 116, 043202.	7.8	30
11	Universal thermodynamics of an $SU(2)$ Mott insulator of ultracold fermions. Physical Review A, 2021, 104, .	2.5	21
12	Spatial adiabatic passage of massive quantum particles in an optical Lieb lattice. Nature Communications, 2020, 11, 257.	12.8	16
13	Photoassociative production of ultracold heteronuclear ytterbium molecules. Physical Review A, 2011, 84, .	2.5	14
14	QUANTUM SIMULATION USING ULTRACOLD ATOMS IN OPTICAL LATTICES. , 2012, , .		0